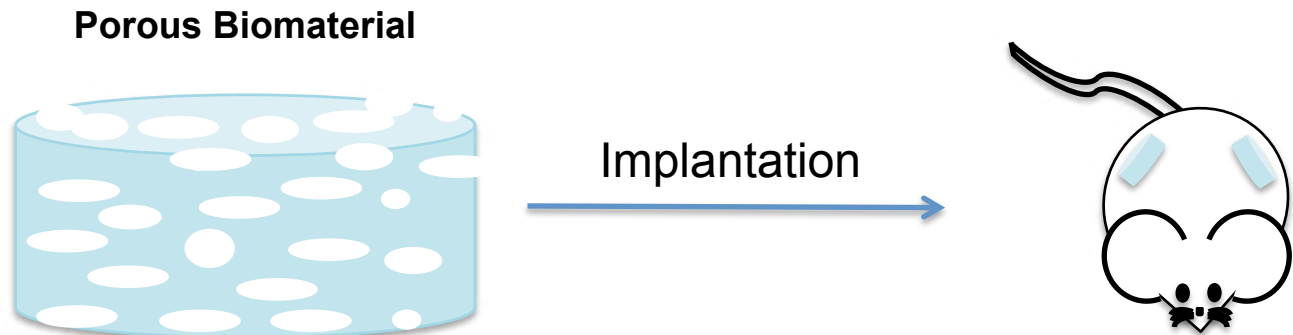
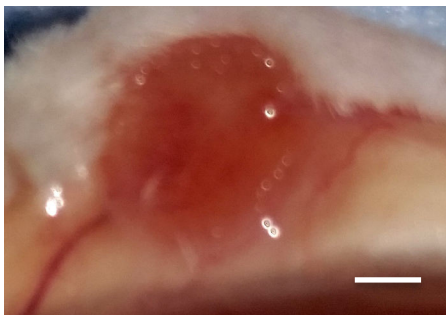
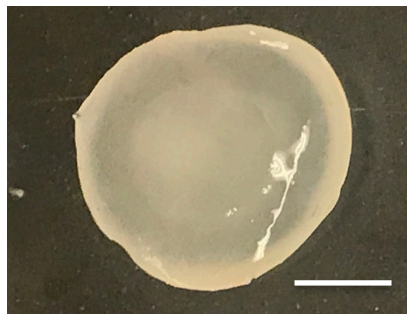


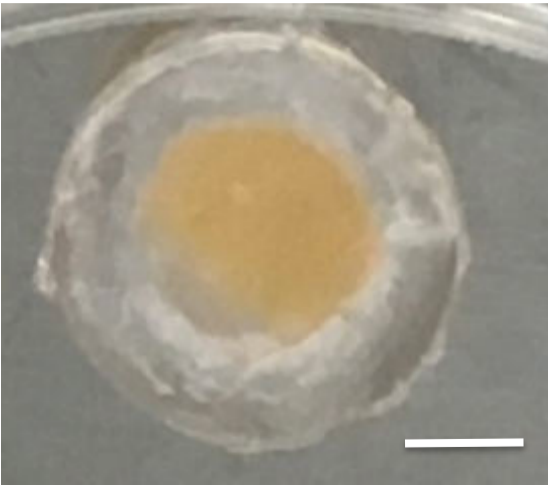
A**B**

PEGDA/HAMA

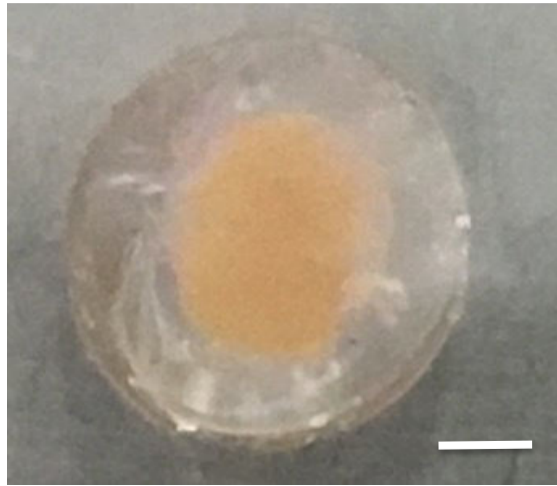


PEGDA

5million hepatocytes



10million hepatocytes



20million hepatocytes

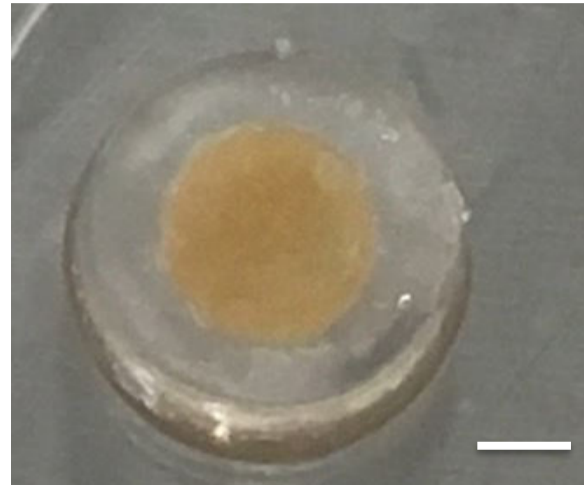


Table S1: Table of Donor Information.

Lot #	Donor Demographics				Post thaw Assessment			Fold Induction (Specific Activity)			Fold Induction (mRNA)		
	Gender	Race	Age	BMI	Viability	Yield (million cells/ vial)	24-Well Monolayer Confluency	CYP 1A2	CYP 2B6	CYP 3A4	CYP 1A2	CYP 2B6	CYP 3A4
HUM 4113	Male	Caucasian	29	28	90%	9.5	95%	21.4	21.9	29.5	89.5	18.8	158.4
HUM 4100	Female	Caucasian	8 Months	18	86%	9.2	100%	54.2	13.8	12	58.3	10	8.3